

The present invention relates to a circuit for electronically generating a call impedance in telephone terminals, comprising a call alternating voltage that may be tapped between a first and a second input terminal. The inventive circuit has a regulating device with a programmable digital filter for regulating impedance, wherein the transmission function of the regulating device can be adjusted by programming the filter coefficients of the digital filter. The inventive regulating device makes it possible to adapt the call impedance to different country-specific requirements. To this end, the regulating device has a programmable digital filter that may be embodied as a digital signal processor. In an especially preferred embodiment, the digital filter is implemented in the form of a program in the digital signal processor.